GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 5, 2003, 12:11:37 ; Search time 14.2298 Seconds
                                      (without alignments)
                                      332.899 Million cell updates/sec

Title: US-09-907-263-2
Perfect score: 941
Sequence: 1 DSVCPQGKYIHPQNNSICCT..........CSNCKKSLECTKLCLPQIEN 161

Scoring table: BLOSUM62
                Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :   Issued_Patents_AA:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB	ID	Description
1	941	100.0	161	4	US-09-326-394-2	Sequence 2, Appli
2	941	100.0	280	3	US-08-974-022-46	Sequence 46, Appl
3	941	100.0	280	4	US-08-795-445A-46	Sequence 46, Appl
4	941	100.0	280	4	US-08-795-447A-46	Sequence 46, Appl
5	941	100.0	280	4	US-08-974-186-46	Sequence 46, Appl
6	941	100.0	280	4	US-08-795-446B-46	Sequence 46, Appl
7	941	100.0	280	4	US-08-706-945D-132	Sequence 132, App
8	941	100.0	336	4	US-08-804-166-8	Sequence 8, Appli
9	941	100.0	336	4	US-08-910-991-8	Sequence 8, Appli
10	941	100.0	455	1	US-08-050-319B-25	Sequence 25, Appl
11	941	100.0	455	1	US-08-321-668-2	Sequence 2, Appli
12	941	100.0	455	1	US-08-837-941-2	Sequence 2, Appli
13	941	100.0	455	2	US-08-126-016-2	Sequence 2, Appli
14	941	100.0	455	2	US-08-465-982-25	Sequence 25, Appl
15	941	100.0	455	4	US-08-815-469-5	Sequence 5, Appli
16	941	100.0	455	4	US-09-006-353A-3	Sequence 3, Appli
17	941	100.0	455	4	US-09-527-236A-5	Sequence 5, Appli
18	941	100.0	455	4	US-08-054-970-2	Sequence 2, Appli
19	941	100.0	455	4	US-09-565-918-4	Sequence 4, Appli
20	941	100.0	455	4	US-09-573-986-3	Sequence 3, Appli
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22	930.5	98.9	909	4	US-09-448-868-4	Sequence 4, Appli
23	928	98.6	285	4	US-08-804-166-6	Sequence 6, Appli
24	928	98.6	285	4	US-08-910-991-6	Sequence 6, Appli
25	925.5	98.4	453	4	US-09-086-483A-5	Sequence 5, Appli
26	924	98.2	199	1	US-08-050-319B-48	Sequence 48, Appl
27	924	98.2	199	2	US-08-465-982-48	Sequence 48, Appl
28	921	97.9	197	4	US-08-828-683A-21	Sequence 21, Appl
29	904	96.1	154	4	US-08-828-683A-12	Sequence 12, Appl
30	900	95.6	153	2	US-08-219-237B-4	Sequence 4, Appli
31	900	95.6	153	4	US-08-477-347-12	Sequence 12, Appli
32	900	95.6	153	4	US-08-476-862-3	Sequence 3, Appli
33	900	95.6	153	4	US-08-468-560C-4	Sequence 4, Appli
34	873	92.8	154	2	US-08-232-087A-10	Sequence 10, Appl
35	842.5	89.5	256	4	US-08-804-166-2	Sequence 2, Appli
36	842.5	89.5	256	4	US-08-910-991-2	Sequence 2, Appli
37	837	88.9	307	4	US-08-804-166-4	Sequence 4, Appli
38	837	88.9	307	4	US-08-910-991-4	Sequence 4, Appli
39	822	87.4	139	4	US-08-706-945D-129	Sequence 129, App
40	746	79.3	167	1	US-08-050-319B-2	Sequence 2, Appli
41	746	79.3	167	1	US-08-050-319B-57	Sequence 57, Appl
42	746	79.3	167	2	US-08-465-982-2	Sequence 2, Appli
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44	731	77.7	124	1	US-08-050-319B-4	Sequence 4, Appli
45	731	77.7	124	2	US-08-465-982-4	Sequence 4, Appli

ALIGNMENTS

RESULT 1
US-09-326-394-2
; Sequence 2, Application US/09326394
; Patent No. 6306820
; GENERAL INFORMATION:
; APPLICANT: Bendele, Alison M.
; APPLICANT: Sennello, Regina M.
; APPLICANT: Edwards, Carl K.
; TITLE OF INVENTION: COMBINATION THERAPY USING A TNF BINDING
; TITLE OF INVENTION: PROTEIN FOR TREATING TNF-MEDIATED DISEASES
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Amgen Inc.
;   STREET: 1840 DeHavilland Drive
;   CITY: Thousand Oaks
;   STATE: CA
;   COUNTRY: US
;   ZIP: 91320-1789
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/09/326,394
;   FILING DATE: 08-DEC-1997
;   CLASSIFICATION:
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 60/032,587
;   FILING DATE: 06-DEC-1996
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 60/036,355
;   FILING DATE: 23-JAN-1997
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 60/039,315
;   FILING DATE: 07-FEB-1997
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 60/052,023
;   FILING DATE: 09-JUL-1997
; ATTORNEY/AGENT INFORMATION:
;   NAME: Zindrick, Thomas K.
;   REGISTRATION NUMBER: 32,185
;   REFERENCE/DOCKET NUMBER: A-430D
; INFORMATION FOR SEQ ID NO: 2:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 161 amino acids
;   TYPE: amino acid
;   TOPOLOGY: linear
;   MOLECULE TYPE: protein
US-09-326-394-2

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Best Local Similarity   100.0%; Pred. No. 1.6e-76; Indels 0; Gaps   0;
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RESULT 2
US-08-974-022-46
; Sequence 46, Application US/08974022
; Patent No. 6015938
; GENERAL INFORMATION:
;   APPLICANT: Boyle, William J.
;   APPLICANT: Lacey, David L.
;   APPLICANT: Calzone, Frank J.
;   APPLICANT: Chang, Ming-Shi
;   TITLE OF INVENTION: OSTEOPROTEGERIN
;   NUMBER OF SEQUENCES: 53
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Amgen Inc.
;   STREET: 1840 Dehavilland Drive
;   CITY: Thousand Oaks
;   STATE: California
;   COUNTRY: USA
;   ZIP: 91320-1789
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/974,022
;   FILING DATE: 12-DEC-1995
;   CLASSIFICATION:
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 08/577,788
;   FILING DATE:
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Winter, Robert B.
;   REFERENCE/DOCKET NUMBER: A-378
;   INFORMATION FOR SEQ ID NO: 46:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 280 amino acids
;   TYPE: amino acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: protein
US-08-974-022-46

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Best Local Similarity   100.0%; Pred. No. 2.7e-76; Indels 0; Gaps   0;
Matches 161; Conservative   0; Mismatches   0;

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RESULT 3
US-08-795-445A-46
; Sequence 46, Application US/08795445A
; Patent No. 6284485
; GENERAL INFORMATION:
;   APPLICANT: Boyle, Willaim J.
;   APPLICANT: Lacey, David L.
;   APPLICANT: Calzone, Frank J.
;   APPLICANT: Chang, Ming-Shi
;   TITLE OF INVENTION: OSTEOPROTEGERIN
;   NUMBER OF SEQUENCES: 53
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Amgen Inc.
;   STREET: 1840 Dehavilland Drive
;   CITY: Thousand Oaks
;   STATE: California
;   COUNTRY: USA
;   ZIP: 91320-1789
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
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;   SOFTWARE: PatentIn Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/795,445A
;   FILING DATE:
;   CLASSIFICATION:
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 08/577,788
;   FILING DATE:
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Winter, Robert B.
;   REFERENCE/DOCKET NUMBER: A-378
;   INFORMATION FOR SEQ ID NO: 46:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 280 amino acids
;   TYPE: amino acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: protein
US-08-795-445A-46

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Best Local Similarity   100.0%; Pred. No. 2.7e-76; Indels 0; Gaps   0;
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Db   161 KQNTVCTCHAGFFLRENECVSCSNCKKSLECTKLCLPQIEN 201

RESULT 4
US-08-795-447A-46
; Sequence 46, Application US/08795447A
; Patent No. 6284728
; GENERAL INFORMATION:
;   APPLICANT: Boyle, William J.
;   APPLICANT: Lacey, David L.
;   APPLICANT: Calzone, Frank J.
;   APPLICANT: Chang, Ming-Shi
;   TITLE OF INVENTION: Osteoprotegerin

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      NUMBER OF SEQUENCES: 53
      CORRESPONDENCE ADDRESS:
         ADDRESSEE: Amgen Inc.
         STREET: One Amgen Center Drive
         CITY: Thousand Oaks
         STATE: California
         COUNTRY: USA
         ZIP: 91362-1789
      COMPUTER READABLE FORM:
         MEDIUM TYPE: Floppy disk
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      CURRENT APPLICATION DATA:
         APPLICATION NUMBER: US/08/795,447A
         FILING DATE:
         CLASSIFICATION: 514
      ATTORNEY/AGENT INFORMATION:
         NAME: Winter, Robert B.
         REFERENCE/DOCKET NUMBER: A-378D2
   INFORMATION FOR SEQ ID NO: 46:
      SEQUENCE CHARACTERISTICS:
         LENGTH: 280 amino acids
         TYPE: amino acid
         STRANDEDNESS: single
         TOPOLOGY: linear
         MOLECULE TYPE: protein
US-08-795-447A-46

Query Match        100.0%;    Score 941;  DB 4;   Length 280;
Best Local Similarity 100.0%;    Pred. No. 2.7e-76;
Matches 161;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

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Qy  121 KQNTVCTCHAGFFLRENECVSCSNCKKSLECTKLCLPQIEN 161
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Db  161 KQNTVCTCHAGFFLRENECVSCSNCKKSLECTKLCLPQIEN 201


RESULT 5
US-08-974-186-46
; Sequence 46, Application US/08974186
; Patent No. 6284740
; GENERAL INFORMATION:
      APPLICANT: Boyle, Willaim J.
      APPLICANT: Lacey, David L.
      APPLICANT: Calzone, Frank J.
      APPLICANT: Chang, Ming-Shi
      TITLE OF INVENTION: OSTEOPROTEGERIN
      NUMBER OF SEQUENCES: 53
      CORRESPONDENCE ADDRESS:
         ADDRESSEE: Amgen Inc.
         STREET: 1840 Dehavilland Drive
         CITY: Thousand Oaks
         STATE: California
         COUNTRY: USA
         ZIP: 91320-1789
      COMPUTER READABLE FORM:
         MEDIUM TYPE: Floppy disk
         COMPUTER: IBM PC compatible
         OPERATING SYSTEM: PC-DOS/MS-DOS
         SOFTWARE: PatentIn Release #1.0, Version #1.30
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         ...PLICATION NUMBER: US/08/974,186
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      PRIOR APPLICATION DATA:
         APPLICATION NUMBER: 08/577,788
         FILING DATE:
      ATTORNEY/AGENT INFORMATION:
         NAME: Winter, Robert B.
         REFERENCE/DOCKET NUMBER: A-378
   INFORMATION FOR SEQ ID NO: 46:
      SEQUENCE CHARACTERISTICS:
         LENGTH: 280 amino acids
         TYPE: amino acid
         STRANDEDNESS: single
         TOPOLOGY: linear
         MOLECULE TYPE: protein
US-08-795-186-46

Query Match        100.0%;    Score 941;  DB 4;   Length 280;
Best Local Similarity 100.0%;    Pred. No. 2.7e-76;
Matches 161;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

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Db  161 KQNTVCTCHAGFFLRENECVSCSNCKKSLECTKLCLPQIEN 201


RESULT 6
US-08-795-446B-46
; Sequence 46, Application US/08795446B
; Patent No. 6288032
; GENERAL INFORMATION:
      APPLICANT: Boyle, Willaim J.
      APPLICANT: Lacey, David L.
      APPLICANT: Calzone, Frank J.
      APPLICANT: Chang, Ming-Shi
      TITLE OF INVENTION: OSTEOPROTEGERIN
      NUMBER OF SEQUENCES: 53
      CORRESPONDENCE ADDRESS:
         ADDRESSEE: Amgen Inc.
         STREET: 1840 Dehavilland Drive
         CITY: Thousand Oaks
         STATE: California
         COUNTRY: USA
         ZIP: 91320-1789
      COMPUTER READABLE FORM:
         MEDIUM TYPE: Floppy disk
         COMPUTER: IBM PC compatible
         OPERATING SYSTEM: PC-DOS/MS-DOS
         SOFTWARE: PatentIn Release #1.0, Version #1.30
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         FILING DATE:
         CLASSIFICATION:
      PRIOR APPLICATION DATA:
         APPLICATION NUMBER: 08/577,788
         FILING DATE:
      ATTORNEY/AGENT INFORMATION:
         NAME: Winter, Robert B.
         REFERENCE/DOCKET NUMBER: A-378
   INFORMATION FOR SEQ ID NO: 46:
      SEQUENCE CHARACTERISTICS:
         LENGTH: 280 amino acids
         TYPE: amino acid
         STRANDEDNESS: single
         TOPOLOGY: linear
         MOLECULE TYPE: protein
US-08-795-446B-46
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Query Match              100.0%;  Score 941;  DB 4;  Length 280;
Best Local Similarity    100.0%;  Pred. No. 2.7e-76;
Matches 161;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

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Db  161 KQNTVCTCHAGFFLRENECVSCSNCKKSLECTKLCLPQIEN 201
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RESULT 7
US-08-706-945D-132
; Sequence 132, Application US/08706945D
; Patent No. 6369027
; GENERAL INFORMATION:
;   APPLICANT: Boyle, William
;   APPLICANT: Lacey, David
;   APPLICANT: Calzone, Frank
;   APPLICANT: Chang, Ming-Shi
;   TITLE OF INVENTION: Osteoprotegerin
;   FILE REFERENCE: A-378CIP
;   CURRENT APPLICATION NUMBER: US/08/706,945D
;   CURRENT FILING DATE: 1996-09-03
;   PRIOR APPLICATION NUMBER: 08/577,788
;   PRIOR FILING DATE: 1995-12-22
;   NUMBER OF SEQ ID NOS: 145
;   SOFTWARE: PatentIn version 3.1
; SEQ ID NO 132
;   LENGTH: 280
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-08-706-945D-132

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Query Match              100.0%;  Score 941;  DB 4;  Length 280;
Best Local Similarity    100.0%;  Pred. No. 2.7e-76;
Matches 161;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

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Db  161 KQNTVCTCHAGFFLRENECVSCSNCKKSLECTKLCLPQIEN 201
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RESULT 8
US-08-804-166-8
; Sequence 8, Application US/08804166.
; Patent No. 6193972
; GENERAL INFORMATION:
;   APPLICANT: Campbell, Robert K.
;   APPLICANT: Jameson, Bradford A.
;   APPLICANT: Chappel, Scott C.
;   TITLE OF INVENTION: HYBRID PROTEINS
;   NUMBER OF SEQUENCES: 22
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: BROWDY AND NEIMARK
;   STREET: 419 Seventh Street N.W., Ste. 300
;   CITY: Washington
;   STATE: D.C.
;   COUNTRY: USA
;   ZIP: 22207
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/804,166
;   FILING DATE:
;   CLASSIFICATION:
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 60/011,936
;   FILING DATE: 20 February 1996
;   CLASSIFICATION:
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Browdy, Roger L.
;   REGISTRATION NUMBER: 25,618
;   REFERENCE/DOCKET NUMBER: CAMPBELL=2A
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (202) 628-5197
;   TELEFAX: (202) 737-3528
; INFORMATION FOR SEQ ID NO: 8:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 336 amino acids
;   TYPE: amino acid
;   TOPOLOGY: linear
;   MOLECULE TYPE: protein
US-08-804-166-8

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Query Match              100.0%;  Score 941;  DB 4;  Length 336;
Best Local Similarity    100.0%;  Pred. No. 3.2e-76;
Matches 161;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy    1 DSVCPQGKYIHPQNNSICCTKCHKGTYLYNDCPGPGQDTDCRECESGSFTASENHLRHCL 60
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Db   23 DSVCPQGKYIHPQNNSICCTKCHKGTYLYNDCPGPGQDTDCRECESGSFTASENHLRHCL 82

Qy   61 SCSKCRKEMGQVEISSCTVDRDTVCGCRKNQYRHYWSENLFQCFNCSLCLNGTVHLSCQE 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   83 SCSKCRKEMGQVEISSCTVDRDTVCGCRKNQYRHYWSENLFQCFNCSLCLNGTVHLSCQE 142

Qy  121 KQNTVCTCHAGFFLRENECVSCSNCKKSLECTKLCLPQIEN 161
          |||||||||||||||||||||||||||||||||||||||||
Db  143 KQNTVCTCHAGFFLRENECVSCSNCKKSLECTKLCLPQIEN 183
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RESULT 9
US-08-910-991-8
; Sequence 8, Application US/08910991
; Patent No. 6194177
; GENERAL INFORMATION:
;   APPLICANT: Campbell, Robert K.
;   APPLICANT: Jameson, Bradford A.
;   APPLICANT: Chappel, Scott C.
;   TITLE OF INVENTION: HYBRID PROTEINS
;   NUMBER OF SEQUENCES: 22
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: BROWDY AND NEIMARK
;   STREET: 419 Seventh Street N.W., Ste. 300
;   CITY: Washington
;   STATE: D.C.
;   COUNTRY: USA
;   ZIP: 22207
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/910,991
;   FILING DATE:
;   CLASSIFICATION: 530

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;      PRIOR APPLICATION DATA:
;          APPLICATION NUMBER: 08/804,166
;          FILING DATE: 20 February 1997
;      PRIOR APPLICATION DATA:
;          APPLICATION NUMBER: 60/011,936
;          FILING DATE: 20 February 1996
;      ATTORNEY/AGENT INFORMATION:
;          NAME: YUN, Allen C.
;          REGISTRATION NUMBER: 37,971
;          REFERENCE/DOCKET NUMBER: CAMPBELL=2B
;      TELECOMMUNICATION INFORMATION:
;          TELEPHONE: (202) 628-5197
;          TELEFAX: (202) 737-3528
; INFORMATION FOR SEQ ID NO: 8:
;      SEQUENCE CHARACTERISTICS:
;          LENGTH: 336 amino acids
;          TYPE: amino acid
;          TOPOLOGY: linear
;          MOLECULE TYPE: protein
US-08-910-991-8

Query Match             100.0%;    Score 941; DB 4; Length 336;
Best Local Similarity   100.0%;    Pred. No. 3.2e-76;
Matches 161;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         1 DSVCPQGKYIHPQNNSICCTKCHKGTYLYNDCPGPGQDTDCRECESGSFTASENHLRHCL 60
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        23 DSVCPQGKYIHPQNNSICCTKCHKGTYLYNDCPGPGQDTDCRECESGSFTASENHLRHCL 82

Qy        61 SCSKCRKEMGQVEISSCTVDRDTVCGCRKNQYRHYWSENLFQCFNCSLCLNGTVHLSCQE 120
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        83 SCSKCRKEMGQVEISSCTVDRDTVCGCRKNQYRHYWSENLFQCFNCSLCLNGTVHLSCQE 142

Qy       121 KQNTVCTCHAGFFLRENECVSCSNCKKSLECTKLCLPQIEN 161
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Db       143 KQNTVCTCHAGFFLRENECVSCSNCKKSLECTKLCLPQIEN 183


RESULT 10
US-08-050-319B-25
; Sequence 25, Application US/08050319B
; Patent No. 5633145
; GENERAL INFORMATION:
;      APPLICANT: M.Feldmann, P.W. Gray,
;      APPLICANT: M.J.C. Turner, F.M Brennan
;      TITLE OF INVENTION: Modified human TNFalpha (Tumor
;      TITLE OF INVENTION: Necrosis Factor alpha) Receptor
;      NUMBER OF SEQUENCES: 57
;      CORRESPONDENCE ADDRESS:
;          ADDRESSEE: Reed & Robbins
;          STREET: 635 Bryant Street
;          CITY: Palo Alto
;          STATE: California
;          COUNTRY: USA
;          ZIP: 94301
;      COMPUTER READABLE FORM:
;          MEDIUM TYPE: Floppy disk
;          COMPUTER: IBM PC compatible
;          OPERATING SYSTEM: PC-DOS/MS-DOS
;          SOFTWARE: PatentIn Release #1.0, version #1.25
;      CURRENT APPLICATION DATA:
;          APPLICATION NUMBER: US/08/050,319B
;          FILING DATE: 10-May-1993
;          CLASSIFICATION: 435
;      ATTORNEY/AGENT INFORMATION:
;          NAME: Robbins, Roberta L.
;          REGISTRATION NUMBER: 33,208
;          REFERENCE/DOCKET NUMBER: 5150-0030
;      TELECOMMUNICATION INFORMATION:
;          TELEPHONE: (415) 617-8999
;          TELEFAX: (415) 327-3231
; INFORMATION FOR SEQ ID NO: 25:
;      SEQUENCE CHARACTERISTICS:
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;          LENGTH: 455 amino acids
;          TYPE: amino acid
;          TOPOLOGY: linear
;          MOLECULE TYPE: protein
US-08-050-319B-25

Query Match             100.0%;    Score 941; DB 1; Length 455;
Best Local Similarity   100.0%;    Pred. No. 4.3e-76;
Matches 161;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         1 DSVCPQGKYIHPQNNSICCTKCHKGTYLYNDCPGPGQDTDCRECESGSFTASENHLRHCL 60
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        41 DSVCPQGKYIHPQNNSICCTKCHKGTYLYNDCPGPGQDTDCRECESGSFTASENHLRHCL 100

Qy        61 SCSKCRKEMGQVEISSCTVDRDTVCGCRKNQYRHYWSENLFQCFNCSLCLNGTVHLSCQE 120
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       101 SCSKCRKEMGQVEISSCTVDRDTVCGCRKNQYRHYWSENLFQCFNCSLCLNGTVHLSCQE 160

Qy       121 KQNTVCTCHAGFFLRENECVSCSNCKKSLECTKLCLPQIEN 161
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Db       161 KQNTVCTCHAGFFLRENECVSCSNCKKSLECTKLCLPQIEN 201


RESULT 11
US-08-321-668-2
; Sequence 2, Application US/08321668
; Patent No. 5665859
; GENERAL INFORMATION:
;      APPLICANT: WALLACH, David
;      APPLICANT: BRAKEBUSCH, Cord
;      APPLICANT: VARFOLOMEEV, Eugene
;      APPLICANT: BATKIN, Michael
;      TITLE OF INVENTION: MOLECULES INFLUENCING THE SHEDDING OF
;      TITLE OF INVENTION: THE TNF RECEPTORS, THEIR PREPARATION AND THEIR USE
;      NUMBER OF SEQUENCES: 42
;      CORRESPONDENCE ADDRESS:
;          ADDRESSEE: BROWDY AND NEIMARK
;          STREET: 419 Seventh Street, N.W., Suite 300
;          CITY: Washington
;          STATE: D.C.
;          COUNTRY: USA
;          ZIP: 20004
;      COMPUTER READABLE FORM:
;          MEDIUM TYPE: Floppy disk
;          COMPUTER: IBM PC compatible
;          OPERATING SYSTEM: PC-DOS/MS-DOS
;          SOFTWARE: PatentIn Release #1.0, Version #1.30
;      CURRENT APPLICATION DATA:
;          APPLICATION NUMBER: US/08/321,668
;          FILING DATE: 12-OCT-1994
;          CLASSIFICATION: 435
;      PRIOR APPLICATION DATA:
;          APPLICATION NUMBER: IL 107268
;          FILING DATE: 12-OCT-1993
;      ATTORNEY/AGENT INFORMATION:
;          NAME: BROWDY, Roger L.
;          REGISTRATION NUMBER: 25,618
;          REFERENCE/DOCKET NUMBER: WALLACH=13
;      TELECOMMUNICATION INFORMATION:
;          TELEPHONE: 202-628-5197
;          TELEFAX: 202-737-3528
;          TELEX: 248633
; INFORMATION FOR SEQ ID NO: 2:
;      SEQUENCE CHARACTERISTICS:
;          LENGTH: 455 amino acids
;          TYPE: amino acid
;          TOPOLOGY: linear
;          MOLECULE TYPE: protein
US-08-321-668-2

Query Match             100.0%;    Score 941; DB 1; Length 455;
Best Local Similarity   100.0%;    Pred. No. 4.3e-76;
Matches 161;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
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Qy   1 DSVCPQGKYIHPQNNSICCTKCHKGTYLYNDCPGPGQDTDCRECESGSFTASENHLRHCL 60
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Db   41 DSVCPQGKYIHPQNNSICCTKCHKGTYLYNDCPGPGQDTDCRECESGSFTASENHLRHCL 100

Qy   61 SCSKCRKEMGQVEISSCTVDRDTVCGCRKNQYRHYWSENLFQCFNCSLCLNGTVHLSCQE 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   101 SCSKCRKEMGQVEISSCTVDRDTVCGCRKNQYRHYWSENLFQCFNCSLCLNGTVHLSCQE 160

Qy   121 KQNTVCTCHAGFFLRENECVSCSNCKKSLECTKLCLPQIEN 161
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Db   161 KQNTVCTCHAGFFLRENECVSCSNCKKSLECTKLCLPQIEN 201

RESULT 12
US-08-837-941-2
; Sequence 2, Application US/08837941
; Patent No. 5766917
; GENERAL INFORMATION:
; APPLICANT: WALLACH, David
; APPLICANT: BRAKEBUSCH, Cord
; APPLICANT: VARFOLOMEEV, Eugene
; APPLICANT: BATKIN, Michael
; TITLE OF INVENTION: MOLECULES INFLUENCING THE SHEDDING OF
; TITLE OF INVENTION: THE TNF RECEPTORS, THEIR PREPARATION AND THEIR USE
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
;   ADDRESSEE: BROWDY AND NEIMARK
;   STREET: 419 Seventh Street, N.W., Suite 300
;   CITY: Washington
;   STATE: D.C.
;   COUNTRY: USA
;   ZIP: 20004
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/837,941
;   FILING DATE: 28-APR-1997
;   CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/321,668
;   FILING DATE: 12-OCT-1994
;   APPLICATION NUMBER: IL 107268
;   FILING DATE: 12-OCT-1993
; ATTORNEY/AGENT INFORMATION:
;   NAME: BROWDY, Roger L.
;   REGISTRATION NUMBER: 25,618
;   REFERENCE/DOCKET NUMBER: WALLACH=13
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 202-628-5197
;   TELEFAX: 202-737-3528
;   TELEX: 248633
; INFORMATION FOR SEQ ID NO: 2:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 455 amino acids
;   TYPE: amino acid
;   TOPOLOGY: linear
;   MOLECULE TYPE: protein
US-08-837-941-2

Query Match   100.0%; Score 941; DB 1; Length 455;
Best Local Similarity 100.0%; Pred. No. 4.3e-76;
Matches 161; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy   1 DSVCPQGKYIHPQNNSICCTKCHKGTYLYNDCPGPGQDTDCRECESGSFTASENHLRHCL 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   41 DSVCPQGKYIHPQNNSICCTKCHKGTYLYNDCPGPGQDTDCRECESGSFTASENHLRHCL 100

Qy   61 SCSKCRKEMGQVEISSCTVDRDTVCGCRKNQYRHYWSENLFQCFNCSLCLNGTVHLSCQE 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Db   101 SCSKCRKEMGQVEISSCTVDRDTVCGCRKNQYRHYWSENLFQCFNCSLCLNGTVHLSCQE 160

Qy   121 KQNTVCTCHAGFFLRENECVSCSNCKKSLECTKLCLPQIEN 161
          |||||||||||||||||||||||||||||||||||||||||
Db   161 KQNTVCTCHAGFFLRENECVSCSNCKKSLECTKLCLPQIEN 201

RESULT 13
US-08-126-016-2
; Sequence 2, Application US/08126016
; Patent No. 5811261
; GENERAL INFORMATION:
; APPLICANT: WALLACH, DAVID
; APPLICANT: NOPHAR, YARON
; APPLICANT: KEMPER, OLIVER
; APPLICANT: ENGELMANN, HARTMUT
; APPLICANT: BRAKEBUSCH, CORD
; APPLICANT: ADERKA, DAN
; TITLE OF INVENTION: EXPRESSION OF THE RECOMBINANT TUMOR
; TITLE OF INVENTION: NECROSIS FACTOR BINDING PROTEIN I (TBP-I)
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Browdy and Neimark
;   STREET: 419 Seventh Street, N.W., Suite 300
;   CITY: Washington
;   STATE: DC
;   COUNTRY: USA
;   ZIP: 20004
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/126,016
;   FILING DATE: 24-SEP-1993
;   CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 07/625668
;   FILING DATE: 13-DEC-1990
; ATTORNEY/AGENT INFORMATION:
;   NAME: BROWDY, ROGER L
;   REGISTRATION NUMBER: 25,618
;   REFERENCE/DOCKET NUMBER: WALLACH4
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 202-628-5197
;   TELEFAX: 202-737-3528
;   TELEX: 248633
; INFORMATION FOR SEQ ID NO: 2:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 455 amino acids
;   TYPE: amino acid
;   TOPOLOGY: linear
;   MOLECULE TYPE: protein
US-08-126-016-2

Query Match   100.0%; Score 941; DB 2; Length 455;
Best Local Similarity 100.0%; Pred. No. 4.3e-76;
Matches 161; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy   1 DSVCPQGKYIHPQNNSICCTKCHKGTYLYNDCPGPGQDTDCRECESGSFTASENHLRHCL 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   41 DSVCPQGKYIHPQNNSICCTKCHKGTYLYNDCPGPGQDTDCRECESGSFTASENHLRHCL 100

Qy   61 SCSKCRKEMGQVEISSCTVDRDTVCGCRKNQYRHYWSENLFQCFNCSLCLNGTVHLSCQE 120
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Db   101 SCSKCRKEMGQVEISSCTVDRDTVCGCRKNQYRHYWSENLFQCFNCSLCLNGTVHLSCQE 160

Qy   121 KQNTVCTCHAGFFLRENECVSCSNCKKSLECTKLCLPQIEN 161
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Db   161 KQNTVCTCHAGFFLRENECVSCSNCKKSLECTKLCLPQIEN 201

RESULT 14
US-08-465-982-25
; Sequence 25, Application US/0465982
; Patent No. 5863786
; GENERAL INFORMATION:
; APPLICANT: M.Feldmann, P.W. Gray,
; APPLICANT: M.J.C. Turner, F.M Brennan
; TITLE OF INVENTION: Modified human TNFalpha (Tumor
; TITLE OF INVENTION: Necrosis Factor alpha) Receptor
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Reed & Robbins
; STREET: 635 Bryant Street
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/465,982
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/050,319
; FILING DATE: 10-May-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Robbins, Roberta L.
; REGISTRATION NUMBER: 33,208
; REFERENCE/DOCKET NUMBER: 5150-0030
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 617-8999
; TELEFAX: (415) 327-3231
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 455 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-465-982-25

Query Match   100.0%; Score 941; DB 2; Length 455;
Best Local Similarity 100.0%; Pred. No. 4.3e-76;
Matches 161; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy   1 DSVCPQGKYIHPQNNSICCTKCHKGTYLYNDCPGPGQDTDCRECESGSFTASENHLRHCL 60
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   41 DSVCPQGKYIHPQNNSICCTKCHKGTYLYNDCPGPGQDTDCRECESGSFTASENHLRHCL 100

Qy   61 SCSKCRKEMGQVEISSCTVDRDTVCGCRKNQYRHYWSENLFQCFNCSLCLNGTVHLSCQE 120
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 101 SCSKCRKEMGQVEISSCTVDRDTVCGCRKNQYRHYWSENLFQCFNCSLCLNGTVHLSCQE 160

Qy 121 KQNTVCTCHAGFFLRENECVSCSNCKKSLECTKLCLPQIEN 161
         |||||||||||||||||||||||||||||||||||||||||
Db 161 KQNTVCTCHAGFFLRENECVSCSNCKKSLECTKLCLPQIEN 201

RESULT 15
US-08-815-469-5
; Sequence 5, Application US/08815469
; Patent No. 6153402
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Ni, Jian
; APPLICANT: Dixit, Vishva
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Dillon, Patrick J.
; TITLE OF INVENTION: Death Domain Containing Receptors
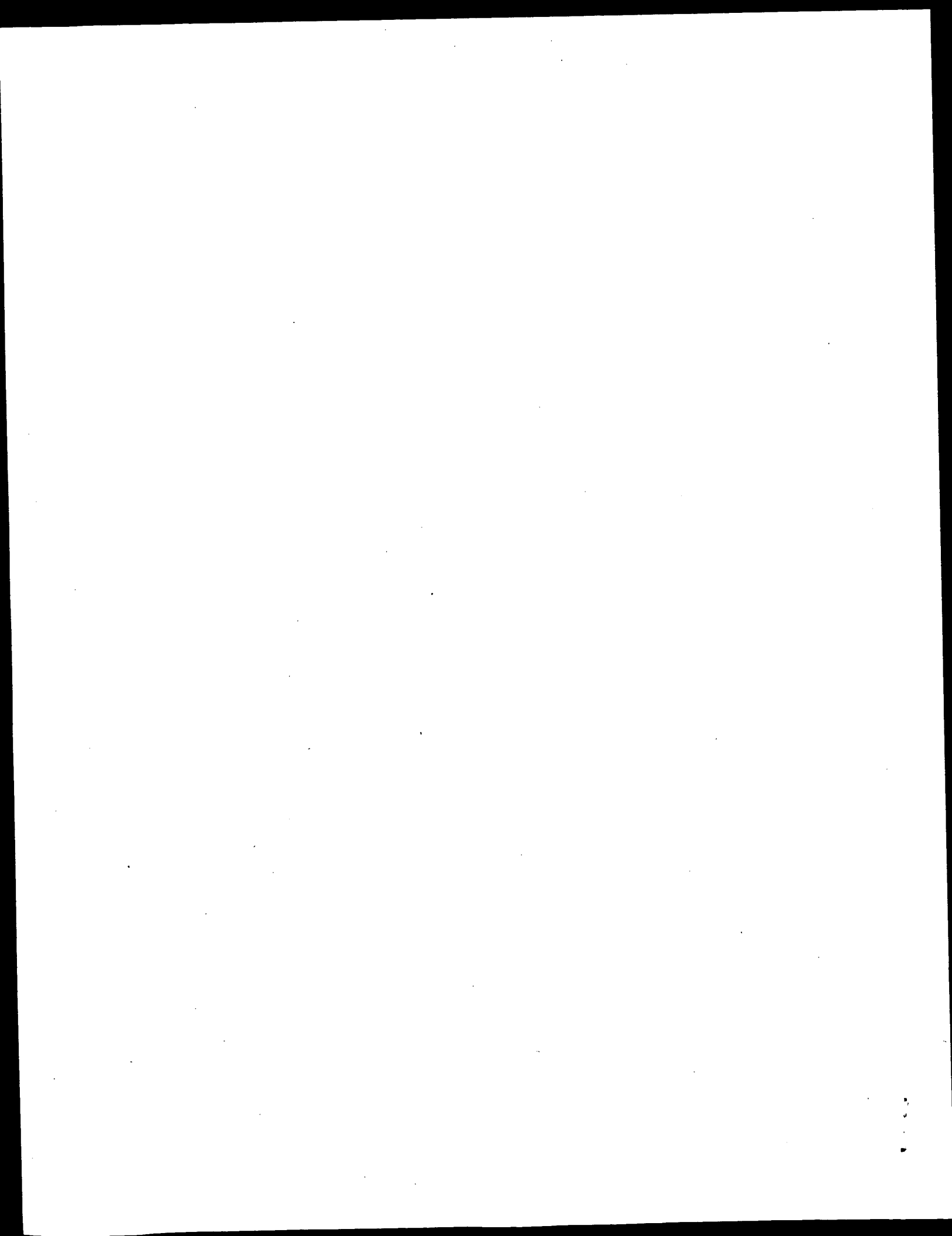; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
; STREET: 1100 New York Ave., NW, Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 2005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/815,469
; FILING DATE: HEREWITH
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: No. 6153402 Yet Assigned
; FILING DATE: 06-FEB-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/028,711
; FILING DATE: 17-OCT-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/013,285
; FILING DATE: 12-MAR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Steffe, Eric K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0310003/EKS/KRM
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 455 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: protein
US-08-815-469-5

Query Match   100.0%; Score 941; DB 4; Length 455;
Best Local Similarity 100.0%; Pred. No. 4.3e-76;
Matches 161; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy   1 DSVCPQGKYIHPQNNSICCTKCHKGTYLYNDCPGPGQDTDCRECESGSFTASENHLRHCL 60
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   41 DSVCPQGKYIHPQNNSICCTKCHKGTYLYNDCPGPGQDTDCRECESGSFTASENHLRHCL 100

Qy   61 SCSKCRKEMGQVEISSCTVDRDTVCGCRKNQYRHYWSENLFQCFNCSLCLNGTVHLSCQE 120
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 101 SCSKCRKEMGQVEISSCTVDRDTVCGCRKNQYRHYWSENLFQCFNCSLCLNGTVHLSCQE 160

Qy 121 KQNTVCTCHAGFFLRENECVSCSNCKKSLECTKLCLPQIEN 161
         |||||||||||||||||||||||||||||||||||||||||
Db 161 KQNTVCTCHAGFFLRENECVSCSNCKKSLECTKLCLPQIEN 201

Search completed: June 5, 2003, 12:17:17
Job time : 16.2298 secs

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              GenCore version 5.1.6
       Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on:    June  5, 2003, 12:11:37 ; Search time 20.7702 Seconds
                                      (without alignments)
                                  332.899 Million cell updates/sec

Title:          US-09-907-263-4
Perfect score:  1318
Sequence:       1 LPAQVAFTPYAPEPGSTCRL.........STSFLPMGPSPPAEGSTGD 235

Scoring table:  BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched:    262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters:    262574


Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :    Issued_Patents_AA:*
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           2: /cgn2_6/ptcdata/1/iaa/5B_COMB.pep:*
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  Pred. No. is the number of results predicted by chance to have a
  score greater than or equal to the score of the result being printed,
  and is derived by analysis of the total score distribution.
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SUMMARIES

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2	1318	100.0	461	4	US-09-042-785A-7	Sequence 7, Appli
3	1318	100.0	461	4	US-09-006-353A-4	Sequence 4, Appli
4	1318	100.0	461	4	US-09-573-986-4	Sequence 4, Appli
5	1312	99.5	235	4	US-09-580-235-8	Sequence 8, Appli
6	1312	99.5	235	4	US-09-580-181-8	Sequence 8, Appli
7	1312	99.5	461	1	US-09-102-530-8	Sequence 8, Appli
8	1312	99.5	461	1	US-08-385-229-2	Sequence 2, Appli
9	1312	99.5	461	2	US-08-650-000-2	Sequence 2, Appli
10	1312	99.5	461	3	US-08-477-347-3	Sequence 3, Appli
11	1312	99.5	461	4	US-08-476-862-2	Sequence 2, Appli
12	1312	99.5	461	6	5395760-2	Patent No. 5395760
13	1309	99.3	518	1	US-08-385-229-4	Sequence 4, Appli
14	1309	99.3	235	4	US-09-580-235-2	Sequence 2, Appli
15	1309	99.3	235	4	US-09-580-235-4	Sequence 4, Appli
16	1309	99.3	235	4	US-09-580-181-2	Sequence 2, Appli
17	1309	99.3	235	4	US-09-580-181-4	Sequence 4, Appli
18	1309	99.3	235	4	US-09-102-530-2	Sequence 2, Appli
19	1309	99.3	235	4	US-09-102-530-4	Sequence 4, Appli
20	1306	99.1	235	4	US-09-580-235-6	Sequence 6, Appli
21	1306	99.1	235	4	US-09-580-181-6	Sequence 6, Appli
22	1306	99.1	235	4	US-09-102-530-6	Sequence 6, Appli
23	1285	97.5	486	1	US-08-243-010-1	Sequence 1, Appli
	1156	87.7	227	3	US-08-974-022-48	Sequence 48, Appli
	87.7		227	4	US-08-795-445A-48	Sequence 48, Appli
	7		227	4	US-08-795-447A-48	Sequence 48, Appli
	7		227	4	US-08-974-186-48	Sequence 48, Appl

28	1156	87.7	227	4	US-08-795-446B-48	Sequence 48, Appl
29	1156	87.7	227	4	US-08-706-945D-134	Sequence 134, App
30	935	70.9	163	2	US-08-828-683A-13	Sequence 13, Appl
31	925	70.2	163	4	US-08-219-237B-5	Sequence 5, Appli
32	925	70.2	163	4	US-08-477-347-13	Sequence 13, Appl
33	925	70.2	163	4	US-08-476-862-4	Sequence 4, Appli
34	925	70.2	164	4	US-08-468-560C-5	Sequence 5, Appli
35	918.5	69.7	164	2	US-08-232-087A-9	Sequence 9, Appli
36	735	55.8	474	4	US-08-650-000-4	Sequence 8, Appli
37	735	55.8	474	6	5395760-4	Patent No. 5395760
38	735	55.8	120	3	US-08-974-022-42	Sequence 42, Appl
39	683	51.8	120	4	US-08-795-445A-42	Sequence 42, Appl
40	683	51.8	120	4	US-08-795-447A-42	Sequence 42, Appl
41	683	51.8	120	4	US-08-974-186-42	Sequence 42, Appl
42	683	51.8	120	4	US-08-795-446B-42	Sequence 42, Appl
43	683	51.8	120	4	US-08-706-945D-120	Sequence 120, App
44	683	51.8	77	4	US-08-866-545-2	Sequence 2, Appli
45	453	34.4				

ALIGNMENTS


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RESULT 1
US-09-326-394-4
; Sequence 4, Application US/09326394
; Patent No. 6306820
GENERAL INFORMATION:
   APPLICANT:    Bendele, Alison M.
   APPLICANT:    Sennello, Regina M.
   APPLICANT:    Edwards, Carl K.
   TITLE OF INVENTION:  COMBINATION THERAPY USING A TNF BINDING
   TITLE OF INVENTION:  PROTEIN FOR TREATING TNF-MEDIATED DISEASES
   NUMBER OF SEQUENCES:  4
   CORRESPONDENCE ADDRESS:
      ADDRESSEE: Amgen Inc.
      STREET:  1840 DeHavilland Drive
      CITY:  Thousand Oaks
      STATE:  CA
      COUNTRY: US
      ZIP:  91320-1789
   COMPUTER READABLE FORM:
      MEDIUM TYPE: Floppy disk
      COMPUTER:  IBM PC compatible
      OPERATING SYSTEM:  PC-DOS/MS-DOS
      SOFTWARE:  PatentIn Release #1.0, Version #1.30
   CURRENT APPLICATION DATA:
      APPLICATION NUMBER: US/09/326,394
      FILING DATE:  08-DEC-1997
      CLASSIFICATION:
   PRIOR APPLICATION DATA:
      APPLICATION NUMBER: US 60/032,587
      FILING DATE:  06-DEC-1996
   PRIOR APPLICATION DATA:
      APPLICATION NUMBER:  US 60/036,355
      FILING DATE:  23-JAN-1997
   PRIOR APPLICATION DATA:
      APPLICATION NUMBER: US 60/039,315
      FILING DATE:  07-FEB-1997
   PRIOR APPLICATION DATA:
      APPLICATION NUMBER: US 60/052,023
      FILING DATE:  09-JUL-1997
   ATTORNEY/AGENT INFORMATION:
      NAME:  Zindrick, Thomas K.
      REGISTRATION NUMBER: 32,185
      REFERENCE/DOCKET NUMBER: A-430D
   INFORMATION FOR SEQ ID NO:  4:
      SEQUENCE CHARACTERISTICS:
         LENGTH:  235 amino acids
         TYPE:  amino acid
         TOPOLOGY: linear
      MOLECULE TYPE:  protein
US-09-326-394-4
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Query Match          100.0%;  Score 1318;  DB 4;  Length 235;
Best Local Similarity 100.0%;  Pred. No. 3.2e-98;
Matches 235;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy    1 LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDST 60
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Db    1 LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDST 60

Qy   61 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRK 120
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Db   61 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRK 120

Qy  121 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASRDAVCTS 180
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Db  121 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASRDAVCTS 180

Qy  181 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 235
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Db  181 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 235

RESULT 2
US-09-042-785A-7
; Sequence 7, Application US/09042785A
; Patent No. 6194151
; GENERAL INFORMATION:
;   APPLICANT: Busfield, Samantha J
;   TITLE OF INVENTION:  NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
;   TITLE OF INVENTION:  AND USES THEREFOR
;   NUMBER OF SEQUENCES: 31
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: LAHIVE & COCKFIELD, LLP
;   STREET: 28 State Street
;   CITY: Boston
;   STATE: Massachusetts
;   COUNTRY: USA
;   ZIP: 02109
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/09/042,785A
;   FILING DATE: 17-MAR-1998
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/938,896
;   FILING DATE: 26-SEP-1997
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Mandragouras, Amy E
;   REGISTRATION NUMBER: 36,207
;   REFERENCE/DOCKET NUMBER: MEI-001CP
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (617)227-7400
;   TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 7:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 461 amino acids
;   TYPE: amino acid
;   TOPOLOGY: linear
;   MOLECULE TYPE: peptide
;   FRAGMENT TYPE: internal
US-09-042-785A-7

Query Match          100.0%;  Score 1318;  DB 4;  Length 461;
Best Local Similarity 100.0%;  Pred. No. 6.7e-98;
Matches 235;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy    1 LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDST 60
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Db   23 LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDST 82

Qy   61 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRK 120
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Db   83 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRK 142

Qy  121 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASRDAVCTS 180
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Db  143 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASRDAVCTS 202

Qy  181 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 235
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Db  203 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 257

RESULT 3
US-09-006-353A-4
; Sequence 4, Application US/09006353A
; Patent No. 6261801
; GENERAL INFORMATION:
;   APPLICANT: WEI, YING-FEI
;   APPLICANT: YU, GUO-LIANG
;   APPLICANT: GENTZ, REINER
;   APPLICANT: RUBEN, STEVEN
;   TITLE OF INVENTION:  TUMOR NECROSIS FACTOR RECEPTOR 5
;   NUMBER OF SEQUENCES: 26
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: HUMAN GENOME SCIENCES, INC.
;   STREET: 9410 KEY WEST AVENUE
;   CITY: ROCKVILLE
;   STATE: MD
;   COUNTRY: US
;   ZIP: 20850
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/09/006,353A
;   FILING DATE:
;   CLASSIFICATION: 435
;   ATTORNEY/AGENT INFORMATION:
;   NAME: BROOKES, ANDERS A
;   REGISTRATION NUMBER: 36,373
;   REFERENCE/DOCKET NUMBER: PF341
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (301) 309-8504
;   TELEFAX:   (301) 309-8512
; INFORMATION FOR SEQ ID NO: 4:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 461 amino acids
;   TYPE: amino acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: protein
US-09-006-353A-4

Query Match          100.0%;  Score 1318;  DB 4;  Length 461;
Best Local Similarity 100.0%;  Pred. No. 6.7e-98;
Matches 235;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy    1 LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDST 60
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Db   23 LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDST 82

Qy   61 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRK 120
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Db   83 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRK 142

Qy  121 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASRDAVCTS 180
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Db  143 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASRDAVCTS 202

Qy  181 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 235
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Db 203 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 257

RESULT 4
US-09-573-986-4
; Sequence 4, Application US/0957986
; Patent No. 6455040
; GENERAL INFORMATION:
; APPLICANT: Wei, Ying-Fei
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner
; APPLICANT: Ruben, Steven
; TITLE OF INVENTION: Tumor Necrosis Factor Receptor 5
; FILE REFERENCE: 1488.1280004
; CURRENT APPLICATION NUMBER: US/09/573,986
; CURRENT FILING DATE: 2000-05-18
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 4
; LENGTH: 461
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-573-986-4

Query Match   100.0%; Score 1318; DB 4; Length 461;
Best Local Similarity 100.0%; Pred. No. 6.7e-98;
Matches 235; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

Qy   1 LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDST 60
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Db   23 LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDST 82

Qy   61 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRK 120
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Db   83 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRK 142

Qy 121 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASRDAVCTS 180
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Db 143 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASRDAVCTS 202

Qy 181 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 235
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 203 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 257

RESULT 5
US-09-580-235-8
; Sequence 8, Application US/09580235
; Patent No. 6433158
; GENERAL INFORMATION:
; APPLICANT: Pettit, Dean
; TITLE OF INVENTION: Site Specific Protein Modification
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Janis C Henry
; STREET: 51 University
; CITY: Seattle
; STATE: WA
; COUNTRY: US
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/580,235
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/102,530
; FILING DATE:

; ATTORNEY/AGENT INFORMATION:
; NAME: Henry, Janis C
; REGISTRATION NUMBER: 34,347
; REFERENCE/DOCKET NUMBER: 2637
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206)470-4189
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 235 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-580-235-8

Query Match   99.5%; Score 1312; DB 4; Length 235;
Best Local Similarity 99.6%; Pred. No. 9.6e-98;
Matches 234; Conservative   0; Mismatches   1; Indels   0; Gaps   0;

Qy   1 LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDST 60
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Qy   61 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRK 120
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Db   61 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRK 120

Qy 121 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASMDAVCTS 180
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Db 121 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASMDAVCTS 180

Qy 181 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 235
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Db 181 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 235

RESULT 6
US-09-580-181-8
; Sequence 8, Application US/09580181
; Patent No. 6441136
; GENERAL INFORMATION:
; APPLICANT: Pettit, Dean
; TITLE OF INVENTION: Site Specific Protein Modification
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Janis C Henry
; STREET: 51 University
; CITY: Seattle
; STATE: WA
; COUNTRY: US
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/580,181
; FILING DATE: 26-MAY-2000
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 09/102,530
; FILING DATE: 22-JUN-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Henry, Janis C
; REGISTRATION NUMBER: 34,347
; REFERENCE/DOCKET NUMBER: 2637
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206)470-4189
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 235 amino acids
; TYPE: amino acid
; TOPOLOGY: linear

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;  MOLECULE TYPE: protein
US-09-580-181-8

Query Match       99.5%;   Score 1312;  DB 4;  Length 235;
Best Local Similarity 99.6%;  Pred. No. 9.6e-98;
Matches 234;  Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy    1 LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDST 60
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Db    1 LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDST 60

Qy   61 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRK 120
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Db   61 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRK 120

Qy  121 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASRDAVCTS 180
          ||||||||||||||||||||||||||||||||||||||||||||||||
Db  121 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASMDAVCTS 180

Qy  181 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 235
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Db  181 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 235


RESULT 7
US-09-102-530-8
; Sequence 8, Application US/09102530
; Patent No. 6451986
; GENERAL INFORMATION:
; APPLICANT: Pettit, Dean
; TITLE OF INVENTION: Site Specific Protein Modification
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Janis C Henry
; STREET: 51 University
; CITY: Seattle
; STATE: WA
; COUNTRY: US
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/102,530
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Henry, Janis C
; REGISTRATION NUMBER: 34,347
; REFERENCE/DOCKET NUMBER: 2637
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206)470-4189
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 235 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-102-530-8

Query Match       99.5%;   Score 1312;  DB 4;  Length 235;
Best Local Similarity 99.6%;  Pred. No. 9.6e-98;
Matches 234;  Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy    1 LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDST 60
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Qy   61 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRK 120
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Qy  121 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASRDAVCTS 180
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Db  121 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASMDAVCTS 180

Qy  181 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 235
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Db  181 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 235


RESULT 8
US-08-385-229-2
; Sequence 2, Application US/08385229
; Patent No. 5605690
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Cindy A.
; APPLICANT: Smith, Craig A.
; TITLE OF INVENTION: Method of Treating TNF-Dependent
; TITLE OF INVENTION: Inflammation Using Tumor Necrosis Factor Antagonists
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: Washington
; COUNTRY: U.S.A.
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/385,229
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/946,236
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Wight, Christopher L.
; REGISTRATION NUMBER: 31,680
; REFERENCE/DOCKET NUMBER: 2503
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 587-0430
; TELEFAX: (206) 587-0606
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 461 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-385-229-2

Query Match       99.5%;   Score 1312;  DB 1;  Length 461;
Best Local Similarity 99.6%;  Pred. No. 2e-97;
Matches 234;  Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy    1 LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDST 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   23 LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDST 82

Qy   61 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRK 120
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Db   83 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRK 142

Qy  121 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASRDAVCTS 180
          ||||||||||||||||||||||||||||||||||||||||||||||||
Db  143 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASMDAVCTS 202

Qy  181 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 235
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Db  203 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 257
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RESULT 9
US-08-650-000-2
; Sequence 2, Application US/08650000
; Patent No. 5945397
; GENERAL INFORMATION:
; APPLICANT: Smith, Craig A.
; APPLICANT: Goodwin, Raymond G.
; APPLICANT: Beckmann, M. Patricia
; TITLE OF INVENTION: Tumor Necrosis Factor Receptors
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: Washington
; COUNTRY: U.S.A.
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/650,000
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,453
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/038,765
; FILING DATE:
; APPLICATION NUMBER: US 403,241
; FILING DATE: 05-SEP-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 405,370
; FILING DATE: 11-SEP-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 421,417
; FILING DATE: 13-OCT-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 523,635
; FILING DATE: 10-MAY-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Wight, Christopher L.
; REGISTRATION NUMBER: 31,680
; REFERENCE/DOCKET NUMBER: 2501-D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 587-0430
; TELEFAX: (206) 233-0644
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 461 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-650-000-2

Query Match   99.5%; Score 1312; DB 2; Length 461;
Best Local Similarity   99.6%; Pred. No. 2e-97;
Matches 234; Conservative   0; Mismatches   1; Indels   0; Gaps   0;

Qy   1 LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDST 60
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   23 LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDST 82

Qy   61 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRK 120
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   83 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRK 142

Qy 121 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASRDAVCTS 180
        |||||||||||||||||||||||||||||||||||||||||||||||||||||| |||||
Db 143 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASMDAVCTS 202

Qy 181 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 235
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 203 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 257

RESULT 10
US-08-477-347-3
; Sequence 3, Application US/08477347
; Patent No. 6232446
; GENERAL INFORMATION:
; APPLICANT: WALLACH, David
; APPLICANT: BIGDA, Jacek
; APPLICANT: BELETSKY, Igor
; APPLICANT: METT, Igor
; TITLE OF INVENTION: TNF LIGANDS
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/477,347
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/115,685
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 106271
; FILING DATE: 08-JUL-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Townsend, G. Kevin
; REGISTRATION NUMBER: 34,033
; REFERENCE/DOCKET NUMBER: WALLACH=10
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; TELEX: 248633
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 461 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-477-347-3

Query Match   99.5%; Score 1312; DB 4; Length 461;
Best Local Similarity   99.6%; Pred. No. 2e-97;
Matches 234; Conservative   0; Mismatches   1; Indels   0; Gaps   0;

Qy   1 LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDST 60
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Db   23 LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDST 82

Qy   61 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRK 120
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   83 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRK 142

Qy 121 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASRDAVCTS 180
        |||||||||||||||||||||||||||||||||||||||||||||||||||||| |||||
Db 143 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASMDAVCTS 202

Qy 181 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 235
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 203 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 257

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Db   203 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 257
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RESULT 11
US-08-476-862-2
; Sequence 2, Application US/08476862
; Patent No. 6262239
; GENERAL INFORMATION:
; APPLICANT: WALLACH, David
; APPLICANT: BIGDA, Jacek
; APPLICANT: BELETSKY, Igor
; APPLICANT: METT, Igor
; APPLICANT: ENGELMANN, Hartmut
; TITLE OF INVENTION: TNF INHIBITORS
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/476,862
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 107267
; FILING DATE: 12-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 94039
; FILING DATE: 06-APR-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 91229
; FILING DATE: 06-AUG-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 90339
; FILING DATE: 18-MAY-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: BROWDY, Roger L.
; REGISTRATION NUMBER: 25,618
; REFERENCE/DOCKET NUMBER: WALLACH-12A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 461 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-476-862-2

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Query Match              99.5%;  Score 1312;  DB 4;  Length 461;
Best Local Similarity    99.6%;  Pred. No. 2e-97;
Matches    234;  Conservative    0;  Mismatches    1;  Indels    1;  Gaps    0;

Qy     1 LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDST 60
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    23 LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDST 82

Qy    61 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRK 120
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    83 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRK 142

Qy   121 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASRDAVCTS 180
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||| |||||
Db   143 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASMDAVCTS 202

Qy   181 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 235
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Db   203 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 257
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RESULT 12
5395760-2
; Patent No. 5395760
; APPLICANT: SMITH, CRAIG A.;GOODWIN, RAYMOND G.;BECKMANN,
; M. PATRICIA
; TITLE OF INVENTION: DNA ENCODING TUMOR NECROSIS FACTOR-a AND
; B-RECEPTORS
; NUMBER OF SEQUENCES: 17
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/523,635
; FILING DATE: 10-MAY-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 421,417
; FILING DATE: 13-OCT-1989
; APPLICATION NUMBER: 405,370
; FILING DATE: 11-SEP-1989
; APPLICATION NUMBER: 403,241
; FILING DATE: 05-SEP-1989
;SEQ ID NO:2:
; LENGTH: 461
5395760-2

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Query Match              99.5%;  Score 1312;  DB 6;  Length 461;
Best Local Similarity    99.6%;  Pred. No. 2e-97;
Matches    234;  Conservative    0;  Mismatches    1;  Indels    1;  Gaps    0;

Qy     1 LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDST 60
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    23 LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDST 82

Qy    61 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRK 120
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    83 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRK 142

Qy   121 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASRDAVCTS 180
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||| |||||
Db   143 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASMDAVCTS 202

Qy   181 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 235
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   203 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 257
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RESULT 13
US-08-385-229-4
; Sequence 4, Application US/08385229
; Patent No. 5605690
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Cindy A.
; APPLICANT: Smith, Craig A.
; TITLE OF INVENTION: Method of Treating TNF-Dependent
; TITLE OF INVENTION: Inflammation Using Tumor Necrosis Factor Antagonists
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: Washington
; COUNTRY: U.S.A.
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206)470-4189
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 235 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-580-235-2

Query Match   99.3%; Score 1309; DB 4; Length 235;
Best Local Similarity   99.1%; Pred. No. 1.7e-97;
Matches 233; Conservative   1; Mismatches   1; Indels   0; Gaps   0;

Qy   1 LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDST   60
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Db   1 LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDST   60

Qy   61 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRK 120
        |||||||||||||||||||||||||||||||||||||||||||||| :||||||||||||
Db   61 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSRQEGCRLCAPLRK 120

Qy 121 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASRDAVCTS 180
        |||||||||||||||||||||||||||||||||||||||||||||||||||||| ||||
Db 121 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASMDAVCTS 180

Qy 181 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 235
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 181 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 235

RESULT 15
US-09-580-235-4
; Sequence 4, Application US/09580235
; Patent No. 6433158
; GENERAL INFORMATION:
; APPLICANT: Pettit, Dean
; TITLE OF INVENTION: Site Specific Protein Modification
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Janis C Henry
; STREET: 51 University
; CITY: Seattle
; STATE: WA
; COUNTRY: US
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/580,235
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/102,530
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Henry, Janis C
; REGISTRATION NUMBER: 34,347
; REFERENCE/DOCKET NUMBER: 2637
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206)470-4189
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 235 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-580-235-4

Query Match   99.3%; Score 1309; DB 4; Length 235;

; APPLICATION NUMBER: US/08/385,229
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/946,236
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Wight, Christopher L.
; REGISTRATION NUMBER: 31,680
; REFERENCE/DOCKET NUMBER: 2503
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 587-0430
; TELEFAX: (206), 587-0606
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 518 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-385-229-4

Query Match   99.5%; Score 1312; DB 1; Length 518;
Best Local Similarity   99.6%; Pred. No. 2.3e-97;
Matches 234; Conservative   0; Mismatches   1; Indels   1; Gaps   0;

Qy   1 LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDST   60
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   52 LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDST 111

Qy   61 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRK 120
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 112 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRK 171

Qy 121 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASRDAVCTS 180
        |||||||||||||||||||||||||||||||||||||||||||||||||||||| ||||
Db 172 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASMDAVCTS 231

Qy 181 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 235
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 232 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 286

RESULT 14
US-09-580-235-2
; Sequence 2, Application US/0958023S
; Patent No. 6433158
; GENERAL INFORMATION:
; APPLICANT: Pettit, Dean
; TITLE OF INVENTION: Site Specific Protein Modification
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Janis C Henry
; STREET: 51 University
; CITY: Seattle
; STATE: WA
; COUNTRY: US
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/580,235
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/102,530
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Henry, Janis C
; REGISTRATION NUMBER: 34,347
; REFERENCE/DOCKET NUMBER: 2637

Best Local Similarity 99.1%; Pred. No. 1.7e-97;
Matches 233; Conservative   1; Mismatches   1; Indels   0; Gaps   0;

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Qy    1 LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDST 60
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Db    1 LPAQVAFTPYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKTSDTVCDSCEDST 60

Qy   61 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRK 120
        |||||||||||||||||||||||||||||||||||||||||||||||||||||||||:
Db   61 YTQLWNWVPECLSCGSRCSSDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPLRR 120

Qy  121 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASRDAVCTS 180
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||||
Db  121 CRPGFGVARPGTETSDVVCKPCAPGTFSNTTSSTDICRPHQICNVVAIPGNASMDAVCTS 180

Qy  181 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 235
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  181 TSPTRSMAPGAVHLPQPVSTRSQHTQPTPEPSTAPSTSFLLPMGPSPPAEGSTGD 235
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Search completed: June 5, 2003, 12:17:18
Job time : 21.7702 secs